



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Blue Tansy

1. Identification of the substance/mixture and company

Trade name:	Blue Tansy
I.N.C.I.	Tanacetum Annuum Flower Oil
CAS No. :	na
EC No. :	na
REACH pre-registration No. :	/
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture is not classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

2.2 Label elements

GHS Classification :

RegulationCLP

Asp. Tox. 1 Aspiration hazard 1 H304 : May be fatal if swallowed and enters airways.

Aquatic Chronic 2 Hazardous to the aquatic environment, long-term hazard H411 : Toxic to aquatic life with long lasting effects.

Flam. Liq. 3 Flammable Liquids 3 H226 : Flammable liquid and vapour.

Skin Irrit. 2 Skin corrosion / irritation 2 H315 : Causes skin irritation.

Skin Sens. 1A Sensitisation, skin 1A H317 : May cause an allergic skin reaction.

Stot Se 2 Specific target organ toxicity, single exposure 2 H371 : May cause damage to organs.

Regulation CLP

Warning mention : Danger

Asp. Tox. 1 Aspiration hazard 1

Aquatic Chronic 2 Hazardous to the aquatic environment, long-term hazard 2

Flam. Liq. 3 Flammable Liquids 3

Skin Irrit. 2 Skin corrosion / irritation 2

Skin Sens. 1A Sensitisation, skin 1A

Stot Se 2 Specific target organ toxicity, single exposure 2

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H371 - May cause damage to organs

H411 - Toxic to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

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Signal word: Danger

Pictograms: GHS05-GHS08



Hazard pictograms

2.3 – Other hazards

Contains Bornan-2-one (Camphre), Beta-Pinène, Myrcene, p-Cymene, Borneol, 2,6,6-trimethyl-bicyclo-2-heptene, Eucalyptol

3. Declaration of ingredients

3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
Bornan-2-one (Camphre) (No REACH : 01-2119966156-31-0000)	76-22-2	200-945-0	Acute Tox. 4 (I), Acute Tox. 4 (O), Eye Dam. 1, FS2, Skin Irrit. 2, Stot Se 2 - H228, H302+H332, H315, H318, H371	10-15
Beta-Pinène (No REACH : 01-2119519230-54-0000)	127-91-3	204-872-5	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H226, H304, H315, H317, H400, H410	5-10
Myrcene (No REACH : 01-2119514321-56-0000)	123-35-3	204-622-5	Asp. Tox. 1, Eye Irrit. 2, Aquatic Chronic 2, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H226, H304, H315, H317, H319, H411	5-10
2,6,6-trimethyl-bicyclo-2-heptene (No REACH : 01-2119519223-49-0000)	80-56-8	201-291-9	Asp. Tox. 1, Acute Tox. 4 (O), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H226, H302, H304, H315, H317, H400, H410	1-5
Borneol	507-70-0	208-080-0/207-353-1	Aquatic Chronic 2, FS2, Skin Irrit. 2 - H228, H315, H411	1-5
Caryophyllene	1139-30-6	214-519-7	Aquatic Chronic 2 - H411	1-5
beta-Caryophyllene (No REACH : 01-2120745237-53-0000)	87-44-5	201-746-1	Asp. Tox. 1, Aquatic Chronic 4, Skin Sens. 1B - H304, H317, H413	1-5
p-Cymene (No REACH : 01-2119556657-21-0000)	99-87-6	202-796-7	Asp. Tox. 1, Eye Irrit. 2, Aquatic Chronic 2, Flam. Liq. 3, Repr. 2, Skin Irrit. 2 - H226, H304, H315, H319, H361, H411	1-5
Camphene (No REACH : 01-2120771036-57-0000)	79-92-5	201-234-8	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1, FS2 - H228, H319, H400, H410	0-1



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Eucalyptol (No REACH : 01-2119967772-24-0000)	470-82-6	207-431-5	Flam. Liq. 3, Skin Sens. 1B - H226, H317	0-1
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3.2. Mixtures
Not concerned

Further Information:

4. First aid measures

4.1 Description of first aid measures

If Inhaled :

If the person is unconscious, place in the fresh air. Consult a doctor

Contact with skin :

Remove soiled clothing . Wash immediately and abundantly with water.

Contact with eyes :

Abundant rinsing with water then washing with an ocular lotion standard Dacryoserum. Consult an ophtalmologist.

If swallowed :

Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

4.2 Main symptoms and effects, both acute and delayed

Not concerned

4.3 Indication to consult a physician immediately or any special treatments

Not concerned

5. Fire fighting measures

5.1 Means of extinction

Appropriate extinction method :

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO2, powder ...)

Inappropriate extinction method :

In case of fire, never use direct water stream.

5.2 Special hazards arising from the substance or mixture

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO2). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3 Recommendations for fire-fighters

Not concerned

6. Accidental release measures



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6.1 Personal precautions, protective devices and emergency procedures

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

6.2 Environmental precautions

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

6.3 Methods and materials for containment and remediation

Diking with sand or diatomaceous earth, pumping and rinsing with water after recovery of specific waste in plastic drums and labeled then deliver to an approved waste facility.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal

7. Handling and storage

7.1 Precautions for safe handling

Wash hands after use.

Reproduce labeling if transfer to another container.

Ensure adequate ventilation.

Provide safety showers and eye washes.

Fire prevention :

Prevent access by unauthorized persons.

Handle in well ventilated areas.

Equipment and procedures :

For personal protection, see Section 8.

Observe precautions stated on the label and regulations of labor protection.

Close the packaging after use.

Avoid inhalation of vapors and contact with skin or eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed containers away from heat sources and protected from extreme temperatures.

Keep containers closed when not in use.

Always keep in appropriate packages (identical to the original material).

7.3 Specific end uses

Not concerned



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8. Exposure controls / personal protection

8.1 Control parameters

Exposition limit (France INRS - ED984 07/2012)

- V.M.E (8 hr)

Bornan-2-one (Camphre) 2 ppm

- V.L.E (15 mn)

No component

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment :

Hands protection : Gloves required.Eyes protection : Not required but recommended.Repiratory protection : Mask required.

Body protection :

Wear regularly cleaned overalls. In case of contact, all soiled parts should be washed.

Engineering measures :

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE):



9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid

Color: dark blue to dark green

Odor: fruity, minty, terpenic

pH-value: not concern

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available

Softening point: no data available

Flash point(° C) :51

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapor pressure: no data available

Density (at 20 °C): [0.880 ; 0.960]

Water solubility: insoluble

Solubility in other solvents: good soluble in lipids

Partition coefficient: no data available

Vapor density: no data available

Refractive index at 20°C :[1.490 ; 1.520]

Angular rotation (°) :N.A.



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9.2 Other information

None

10. Stability and reactivity

10.1 Responsiveness

No dangerous reactions during storage and handling according to specifications.

10.2 Chemical stability

Stable product during storage and handling according to specifications.

10.3 Possibility of dangerous reactions

No dangerous reactions during storage and handling according to specifications.

10.4 Conditions to avoid

Avoid excessive heat (naked flames, sparks, ...).

10.5 Incompatible materials

Not concerned

10.6 Hazardous decomposition products

Thermal decomposition / conditions to be avoided :

Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

Dangerous decomposition products :

No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological Information :

No data available.

Toxicological Informations Acute :

· Oral (mg/kg) : Not determined

· Inhalation (mg/kg) : Not determined

· Skin (mg/kg) : 5 000,00 (Defined)

12. Ecological information

12.1 Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2 Persistence and degradability

Not concerned

12.3 Bioaccumulation potential

Not concerned

12.4 Ground mobility

Not concerned

12.5 Results of PBT and vPvB assessment

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Not concerned

12.6 Other adverse effects

Not concerned

13. Disposal considerations

13.1 Waste treatment methods

Waste : Do not flush with household garbage. Do not pour into drains or waterways. Dispose of according to current legislation, by a collector or a specialized company.

Contaminated packaging : Keep the label on the container. Give to a certified disposal

14. Transport information



14.1. UN number

ADR : 1169 (Tunel code :(D/E))

IMDG:1169

IATA :1169

Custom tariff :33012941

14.2. UN proper shipping name

ADR : EXTRACTS, AROMATIC, LIQUID

IMDG:EXTRACTS, AROMATIC, LIQUID

IATA :EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR : 3

IMDG:3

IATA :3

14.4. Packing group

ADR : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : Not concerned

14.6. Special precautions for user

Not concerned

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not concerned



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15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture
Class of water contamination (Germany) : WGK 2

15.2 Chemical safety assessment.

Contient Bornan-2-one (Camphre), Beta-Pinène, Myrcene, p-Cymene, Borneol, 2,6,6-trimethyl-bicyclo2-heptene, eucalyptol.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Full H sentences text in point 3 :

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

H302+H332 Harmful if swallowed or if inhaled

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child

H371 May cause damage to organs

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.



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DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	max %
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	3.0200
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lyrar (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptine carbonate	111-12-6	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-
Evernia prunastri extract	90028-68-5	-
Evernia furfuracea extract	90028-67-4	-

	Present product	Contamination
Cereals (containing gluten)	NO	NO
Crustaceans	NO	NO
Eggs	NO	NO



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Fish	NO	NO
Peanuts	NO	NO
Soya	NO	NO
Milk	NO	NO
Nuts	NO	NO
Celery celeriac	NO	NO
Mustard	NO	NO
Sesame	NO	NO
Sulphur dioxide sulphites	NO	NO
Lupin	NO	NO
Mollusc	NO	NO

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.